Thursday, November 30, 1972 The gate wol. 63 no. 24

council seats for GSA

At Monday's meeting of students' council two questions which the Board of Governors had delegated to the students' council were passed back to the B of G.

The first of these items related to the current hassle between the GSA and SU over financial agreements. When the matter was placed before the Board, it recommended that the groups concerned try to resolve their differences in negotiation.

This has been attempted but no significant changes in attitude have taken place. For this reason students' council decided that the matter be returned to the B of G for their deliberations.

Students' council therefore passed a motion which maintains the present (albeit disputed) financial arrangements, but would allow the seating of two reps from the faculty of grad studies on students' council.

Poundmaker

The other item which was referred from the B of G was the question of whether The Poundmaker should be allowed to call itself a student organization.

At the meeting of Nov. 16th, council passed a motion which gave official recognition to The Poundmaker. Pat Delaney (VP Academic) subsequently asked the Students Union solicitor for his informed opinion as to exactly what this recognition meant.

Councillors were told on Monday that the solicitor thought that this recognition should be rescinded. The reason given for this opinion was that should Poundmaker incur any libel suits, then in giving recognition, Students' Union could also be held liable for damages.

With this information at hand, students' council rescinded the original motion and will recommend to the B of G that The Poundmaker's request be denied. It is possible that the B of G will not act on that advice and grant the use of the University's name to The Poundmaker. This however seems unlikely in that Gerry Riskin (SU President) is a member of the B of G and can offer the reasons why students' council refused to give recognition to The Poundmaker.

Second Look

In the debate on the Second Look Project, Norm Conrad (law rep) referred to the "constipation of council". This phrase seems to sum up the current position very well.

At the meeting of Nov. 16th, council asked Saffron Shandro (commerce rep) to prepare a detailed list of all committed and projected advertisers and sponsors for the project.

On Monday night Shandro informed council that to present such a document would entail listing every company contained in each Alberta telephone directory. He added that he was not prepared to do so.

When questioned as to the amount of committed revenue, Shandro admitted there was none. He explained that although three weeks have been spent in trying to generate revenue, the institutions which have been approached thus far (provincial, federal governments and the U of A) are not in a position to commit moneys on the spot, in fact such committments have to grind through the wheels of bureaucracy which takes time.

However, Shandro is convinced that revenue will have been committed by the time the next meeting is called, at which time he will inform council on the progress of the project.

Council was also concerned with other aspects of the project, namely the accrued liability. Steve Snyder (speaker) with the permission of council gave a list of money spent to date and accrued liabilities, Snyder said that whereas only

staff voice guaranteed

Council gave first reading to a by-law which guarantees that Gateway staff members will have a strong voice in the choice of the paper's editor.

In the past, the final say has rested with the students' council although tradition has demanded that the staff's choice be ratified. If the new regulations pass successfully through two more readings, the final decision will be made by a Publications Board consisting of three members of students' council, a representative of the Journal and one "student at large" to be chosen by the University Ombudsman. The Board's decision can be reversed only by a majority vote of council at three consecutive meetings held not less than one week apart.

Councillors objected to the inclusion of the student at large and the Journal representative, both additions made to the original Gateway proposal by the Administration Board, and to the difficulty of challenging the Publication Board's decision.

The need for formal recognition of the staff's part in the decision became evident last year when students' council appointed Terri Jackson, instead of Ron Yakimchuk, now the editor of the Poundmaker, who had been elected by the staff.

\$750 has been spent to date, the commission has accrued further debts of approximately \$1100, the majority of which are for consulting fees.

Council therefore passed a motion that no further money be spent, or debts incurred, until Shandro returns to council with a list of committed advertising revenue.

Shandro was concerned that this motion may not allow for the printing of the sales brochure for which he indicated that a sponsor is imminent. He was told that the motion would not allow for the

printing costs to be borne by Students' Union.

The issue was left in a somewhat clouded state when it was suggested that should a sponsor provide the funds for the printing of the brochure, and should the project not reach fruition, the money would have to be repaid by SU.

Priegert

Thus, with the major items on the agenda being put into a state of limbo,

continued on page 12

NO





Voters overwhelmingly rejected the Students' Council proposal to free SUB expansion funds in yesterday's fee referendum.

Sixty-seven percent voted "no" on each of the two questions on the referendum ballot. The proposal would have diverted fees presently collected for SUB expansion to the general operating budget, and made funds already collected in the SUB expansion reserve available for use in replacing SUB capital equipment.

Campus Young Socialists, led by Chris Bearchell, council arts rep, and recently unseated arts rep Mark Priegert, launched an intensive campaign to defeat the

proposa

Terming the referendum a vote of "non-confidence" in this year's SU executive and their spending priorities, the YS also spoke in classrooms urging students to vote no.

Anti-referendum opinions were also aired in several early morning newscasts on CHED. Newscaster Brian O'Ferrall, a third year law student, reported a "rip-off" referendum requesting a \$5 or \$6 fee increase. SU vice-president finance Garry West, said yesterday that he will request official CRTC transcripts of the broadcast since the station would not tell him exactly what had been broadcast.

A total of 3237 students voted.

EXEC LASHES RISKIN

The results of today's (Wednesday's) Fee Referendum are a sad reflection on Riskin's year as President of the Students' Union. The results are not, however, altogether surprising.

Why should students be expected to vote to strengthen Students' Union funds when the President exhibits such immaturity as Riskin has? Why should students show any confidence in our organization when the president of that organization considers the following his priorities?

- 1. personalized stationery
- 2. conference phone
- 3. expensive trips to eastern Canada 4. theatre boycotts
- 5. high school presidents' conferences
- 6. parking places for law students
 7. "Get to Know your Students"
- Council" posters 8. business cards.
- While perusing these "priorities" and writing letters to all and sundry on his

personalized stationery, Riskin has attended one out of a possible seven General Faculties Council meetings, has attended a dismal number of Board of Governors meetings, one of the meetings of the Board of Governors executive committee, which he was eligible to

In addition to not attending meetings of the bodies on which an effective student voice is important, Riskin has designated his position on the Council of Student Affairs to the Executive vice president, his seat on the GFC Student Health Committee to the Vice-president academic, and has ignored meetings of the University Athletic Board.

At a recent Council meeting, Riskin attempted to delegate his GFC seat to the Executive vice-president, claiming that his priority was the Board of Governors. His attempts to get out of GFC were defeated when it was pointed out to him that the Students' Union Bylaws require that the

SU president represent the students on GFC.

In Students' Union executive meetings, he has indicated that he will not interrupt his academic studies to attend meetings. Those students who attended the election rally last February may remember that Riskin stated that he would take only one course if elected. As it is, he is now taking a full course load in third year law.

In the past months of this Students' Council administration, we have grown increasingly frustrated and disillusioned with the direction in which the council has been led. Riskin has persistently attempted to set the priorities of council, no twithstanding council's refusal to follow his lead.

We are sure that we can be faulted for our part in this misguided leadership, and perhaps a portion of such criticism is deserved. However, until now we have concealed our dissatisfaction from the public; we have attempted to correct internally the problems that have occured in the Students' Union.

The priorities as enunciated by Riskin do not have our support. His vascillation on issues affecting students can no longer be tolerated. His flagrant disregard for the responsibilities of his office and his screwed up priorities have damaged the reputation of the students on this campus. The credibility established with the University administration by past Students' Union presidents has been negated. His non-attendance at meetings of the governing bodies of the University, his personalized stationery, and conference phones, have impressed no one but Riskin.

Our demand of Riskin is to resign, take his self-centered priorities and his infatuation with power, and get out!

> Rob Spragins Pat Delaney Garry West beth kuhnke



The rumours that vampires have taken up residence in Room 142 SUB have been proven completely false. Those people down there in white uniforms are just Red Cross nurses, and they need your blood desperately for good purposes. However, there were only 329 donors the

first two days, and they hope to get at least 2000 before they finish next Friday, so give up a half hour and help save some lives. The clinic is open from 10:00 to 1:00 and 3:00 to 5:00 every weekday, and coffee and refreshments are served to bolster the weak-hearted.

nukes "dirty" report warns

American industrial requirements may force Canada "to adopt the large scale use of nuclear energy before the end of the century," despite evidence debunking popular belief in the safety and feasibility of replacing fossil fuels with nuclear power.

A new report researched for S.T.O.P. by Anemone Ruder, complains that nuclear power has been sold to the public on the grounds that it is "clean". "The public is told that the choice is between 'dirty'' fossil fuel plants or clean "nukes", the report observes. "This is deceiving and inaccurate.'

According to the report the refining of uranium ore, the production of uranium dioxide for use in the reactors and the disposal of radioactive wastes all present a potential threat "to human health and life unparalled in human history." At present, the report says, "the tremendous amounts of radio-active wastes (produced because the reactor fuel core must be replaced approximately every two years) are ... diluted and dispersed, or buried, stored and guarded. This presents an incredible burden to future generations.'

Ruder insists that there are other more attractive methods of providing

energy to meet future industrial needs. but that little government money is being put towards researching alternatives. She cites fusion power, which would rely on sea water, geothermal energy, which would use heat from inside the earth and solar energy as three comparatively unexplored possibilities.

"The public, unfortunately, is never informed of the above possibilities by governments and the promoters of nuclear electricity, so that the acceptance of nuclear reactors seems to be the only sollution."

The report recommends that the Canadian government "adopt a policy of encouraging the conservation of energy of all forms" through "advertising and marketing policies, rate structures, bonus chemes and public information programs." To the same end, it should also encourage the production of durable. easily repaired products and the use of recycled materials.

At the same time it should aim for a "steady state" rather than continual economic growth and should halt the 'proposed expansion of nuclear reactors, expecially in Ontario and B.C....until the problems of radio-active and thermal emissions and storage of highly radioactive waste have been solved.

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If enough interest is shown, the Department of Computing Science will be offering a section of COMPUT 214 in the second term. Interested students contact G. Toope, at 432-5198 or in GSB 615.

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1. The individual is the most important factor in organized society.

2. Governments exist to serve the people, and individuals should not be subservient to the state.

Economic security is necessary for the individual to realize his full potential and become truly free.

4. Whatever is physically possible and morally desirable can and should be made financially possible.

If you have ticked off all of the "agree" boxes, we should like to hear from you. You support the four basic principles of Social Credit, a worldwide movement which is determined to reform the economic and monetary system and help the individual to make the greatest progress towards his or her own self-development.

The old-line political parties all appear to act on the basis that the citizen must be subordinated to the state and the economic system - and all advocate programs which lead to more and more state control and centralized

Social Credit is opposed to these socialistic measures. Social Credit favours personal freedom and individual enterprise. Socail Credit believes in man's freedom over the power of "big government", "big business" and "high

finance' Social Credit challenges the widely held belief in industrial growth for growth's sake and insists on fostering

sound principles of ecological and environmental preservation. And much more - which we would like to tell you about and discuss with you. Agreed? If so, please write to the Secretary, Edmonton-Whitemud Social Credit Constituency Association, 9974 Jasper Avenue, Edmonton, Alberta, or phone 435-3114 or 434-5417.

Girls interested in earning \$10 per hour. We require topless waitresses and dancers on a part-time basis! Must be young and attractive, no experience necessary. P. O. Box 1697

Skies for Sale. Fisher RS metal 205 cm. without bindings \$100.00 Excellent condition. 482-1344.

Sweet little old lady wishes to correspond with young male students--preferably her sons. Claire K., Box 707, Regina,

NOTICE OF ELECTION

At its December meeting (Dec. 12 at 7:30 p.m. in Tory 14-6)

the Graduate Students Association

will nominate a graduate student to sit on the Board of Governors (voice but no vote until GSA is incorporated under the Universitys Act). Term is one year starting February 1973, and all full time graduate students are eligible. Nominations may be placed at the meeting or in writing to GSA, Room 222, Campus Towers.

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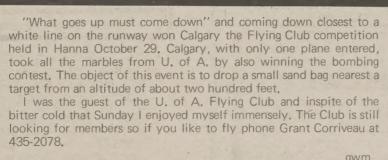
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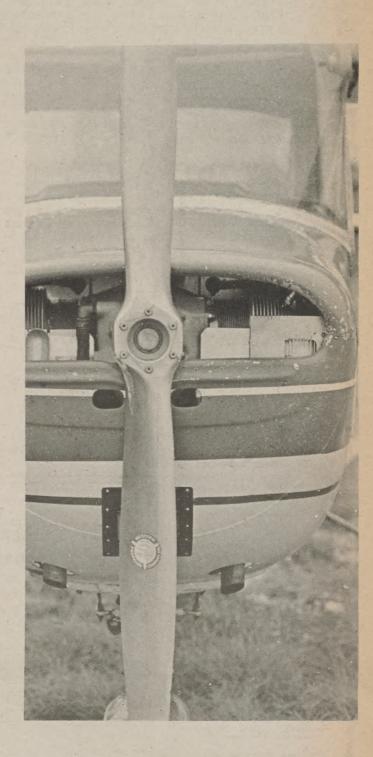














bad

That the fee referendum was defeated. Student services will inevitably be the victim if choices in the future continue to be made as they have been in the past. And that means that services like the Gateway, the last tangible return on your SU fees, will be scrapped. The Young Socialist campaign against the transfer of money from a reserve into the general revenue fund emphasized the fact that there was no guarantee that student services would benefit, or that spending priorities would be changed.

But it ignored the equally important fact that those mysterious "administration costs" are made up largely of salaries guaranteed to Students' Union employees, under a contract and bargaining arrangement which many campus activists sought so ardently just last year. Unionization has meant that we pay our employees higher wages and give them more job security—surely the YS would not advocate a return to non-unionized workers for SUB.

good

That those students who chose to vote used the referendum as a reaction against SU priorities which they do not share. Good, too, that four members of the SU executive have used the occasion to repudiate some of the excesses and misdirections of the present administration.

better

That students remember the follies of electing an executive on a beer and circuses ticket in the SU elections next March. Better that they elect leaders who speak forcefully and intelligently to the real issues which affect students.

best

That students remember not only to choose more carefully next time, but also that when they are assured that the money will be used wisely, they approve the release of SUB expansion funds. The need for the expansion of the SUB is gone; the money is tied up in bank accounts, useless, while even a good students' council and executive would need more money to meet rising costs with decreasing fees from decreasing enrolments.

The "NO" to the present administration of the Students' Union yesterday was resounding. But now we must find or build something to which we can say "yes."

Terri Jackson Candace Savage

UASC

Once more, our feeble voices blend in cacaphonic harmony to berate our fellow man. How invigorating it is to see the virgin snow, trampled and raped by 18,000 pairs of student's feet. Yes, once again we refer to our ecologicalminded fellow students who, for reasons of laziness, have to take short-cuts across the grass, Yes, come next spring, how nice it will be to have trails blazed out across campus by brave and enterprising souls, who fought through vast expanses of grassland, in summer, with machete in one hand, and a book in the other. And in winter, the snowshovel replaced the machete, as they, like their forefathers, suffered the bitter cold and snow, to attain the

ultimate goal of knowledge and enlightenment in as little time as possible.

Time! Don't tarry! Take those shortcuts; after all, what can one pair of feet do? Next year, when you're sitting on sand and concrete in the middle of the Quad, remember what one pair of feet can do.

On behalf of the University of Alberta Sidewalk Committee, we would like to take this opportunity to thank all those students who so unselfishly risked their lives in blazing a route for us to follow across that horrible green stuff, THANKS! And keep up the excellent work!!!

Bohdan Barabash Engineering 2 Paul Hazlett Commerce 1

Letters to the Gateway on any topic are welcome, but they must be signed. Pseudonyms may be used for good cause. Keep letters short (about 200 words) unless you wish to make a complex argument, Letters should not exceed 800 words.

The Gateway is published bi-weekly by the students of the

The Gateway is published bi-weekly by the students of the University of Alberta. Contents are the responsibility of the editor. Opinions are those of the person who expressed them.

Staff this issue included Belinda Bickford; Allyn Cadogan, assistant sports; Kimball Cariou; deena hunter, arts; Harold Kuckertz, Terri Jackson, editor; Sylvia Joly, typesetter; Loreen Lennon, assistant arts; George Mantor; Colleen Milne; Terri Moore; Les Reynolds; Candace Savage, news; John Shearer; Duncan Sherwin; Margriet Tilroe, Typesetter; ron treiber, production; Brian Tucker, sports.

letters



corn flakes

Today I went and picked up my telephone directory, and I can sure see how the SU saved us a pile of money. Such variety such technique! Instead of just plain mug shots, these professional photographers gave us side shots, prison shots, head shots, body shots, close-ups, distance shots, and plenty of black-outs (not to be in any way discriminating of course.) The cover is unique, and certainly the touch of the Master's hand. He is probably the one who writes on the back of my Kellogs Corn Flakes box, for the same junk is there. I was a bit upset to see so many stars in our book this year. I guess quite a few just got fed up with that long line in the ice arena.

Therefore I propose that next year to save even more money, we all line up in alphabetical order the night before with our names and I.D. numbers written on our foreheads for convenience. We can save more money if we print it up in pencil, and make just enough copies for the S.U. council. We hope that you will make the stars detachable, because we all want to come over and help you glue them on your foreheads.

M. Audenart Zoology 2

f-rat

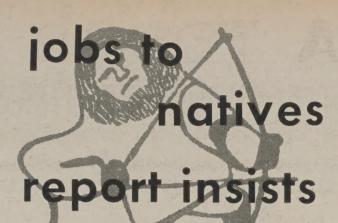
During the years that I have spent on this campus, I have never been overly impressed or interested in fraternities or their activities. However, when one considers the events of the last half year, I find myself reconsidering my attitude towards fraternities and their viability as a campus organization.

For example, Freshman Introduction Week would never have taken place without the involvement of fraternities. Many other activities such socials, dances, and even a North Saskatchewan River Clean-Up, have been made possible by a few concerned groups - fraternities.

I would like to thank the fraternities for their outstanding participation in this year's Envelope Stuffing Contest for the Alberta Tuberculosis and Respiratory Disease Association. Without the participation of the fraternities the event could not possibly have taken place, and when one considers the magnitude of the T.B. Association and the work they accomplish, we all owe the "Frat Rats" a vote of confidence.

Again, I thank the fraternities for their acitvity participation in Campus Activities and I hope that it will continue in the future.

Robert F. Spragins Executive Vice-President



for an arctic

Native no therners should get the two hundred permanent jobs which will be created if the Mackenzie Valley Pipeline is built

This is the thesis of a report prepared by the Boreal astitute of the U of A for Canadian Gas Arctic Study Group, a consortium of large oil companies which is applying for permission to build an arctic pipeline. The research which supports the eport demonstrates, in the words of R. S. Jamieson, acting director of the Boreal Institute that native northerners are "capable—they can take industrial jobs."

"The work we're talking about is highly technical and important, like manning compressor stations," Jamieson explained in an interview last week. He said that the research, designed both to measure the "social impact" of the pipeline and to prepare a program for teaching technical skills, showed that native northerners have both the capabilities and the desire to take on the jobs. "There are people there who mustn't be by-passed when the hiring is done," Jamieson insisted.

The report also recommends that the training be done in the North. There will be culture shock when the pipeline is built, Jamieson admitted, but "our job in Canada is to alleviate that shock."

When the project was undertaken last August, millions of dollars had already been spent to study caribou, fish, plants and so on, Jamieson recalled, but little had been done to "identify or protect the human resources." With the assistance of "consultants" from the north, researchers at the university devised a questionnaire to evaluate northerner's response to past technical training. Employers, men who had been trained and their wives were all asked if the programs in which they had participated "succeeded in their eyes."

Jamieson admitted that the research was done "on the assumption that the pipeline would be built." This was a realistic course, he said, because the government is clearly committed to moving the resources south. And the government position will remain largely unchallenged because of public apathy and "ignorance" about the North. "How many people know why northerners say 'down north?" he challenged. "There are even people who think that Fort Smith is the capital of the Northwest Territories."

Jamieson recognised that northerners are "a little apprehensive because the pipeline means change" but "we like to think that after our research this summer, they have a better idea of what that change entails." Besides he is confident that the consortium is "sincere; they're not out to beat anyone or to exploit people."

But later in the interview, he recalled his own encounters with the Dog Ribs, people who live off the beaten track of missionaries, fur traders, oilmen and D.E.W. line stations.

In their own way, these people have an impressive command of themselves and their land, Jamieson recollected. He remembered his visit with a Dog Rib chief, a man who speaks good English—but not to white men. They were standing together, the chief, Jamieson and an interpreter—with their backs to the village, gazing across a lake. The silence was conspicuous, annoying. Jamieson asked, "How deep is this lake?" The question was translated. Then a pause.

Through the translater, the chief asked, "Have you ever seen a moose?" "Only in a zoo." Jamieson had just arrived in the North.

"Hmph."

A long silence. One minute, two, three.

Then the reply. "If you stand here long enough you might see a moose walk across the lake."

"Just like that he had answered me and put me in my place," Jamieson concluded.

"Have a look at treaties 8 and 11," he recommended. "It's the same old story—as long as it was a frozen wasteland, no one was fighting over it. So now do we say to the 'victors' go the spoils? Would that give us another situation like Quebec?"

"The government is in a delicate position," Jamieson asserted. Not only does it have responsibilities to northerners, it is trustee of northern resources for the rest of Canada. "The situation is difficult because all of Canada has put money into the north."

The problem of the 5,000 temporary construction jobs is also ambiguous. "The building of the D.E.W. Line was socially destructive," Jamieson said. "And the scars can still be seen. I could take you to places where there are Negros Indians, German, Italian; they're outcasts, neither fish nor fowl."

Jamieson predicted that the location of the pipeline might be influenced by the location of native settlements. A cautious government, he implied, might try to avoid contact between temporary "outside" labourers and permanent residents.

A TOUCH OF NORTHERN COMFORT



By R.E. Folinsbee, Professor Department of Geology

1984 will be a cold Canadian winter... without an Arctic pipeline.

Let us take an Orwellian view of the North American fossil fuel situation in the winter of 1984.

Alberta, sitting on all hell for a basement, seems to have little to worry about, though the Alberta oil industry, mainstay of at least one of our two great cities, is in serious trouble. Our Energy Conservation Board conserved enough gas for Alberta's needs for thirty years, and we have coal and wood to fall back upon. In the winter of '84 we Albertans do not concern ourselves too much that Saskatchewan has produced and sold all its oil, never had any natural gas, and has people freezing to death. It was evident as early as 1972 that Saskatchewan had passed the peak of its oil production, and was in a slow but accelerating decline. We smug and snug Albertans quote the well known parable of the wise parkland virgins and the foolish prairie virgins. Saskatchewant production in 1984 is down to a 25,000 barrels a day dribble and the 100,000 bl/ day local summer consumption is being imported, at a price, from Alberta. Nobody in their right mind stays in Saskatchewan in the wimter of '84. Alberta conventional crude production peaked in 1978 at 500 million barrels a year, and in the 12 years from 1972 to 1984 we ran through most of the 7 billion barrels of recoverable oil in our great reservoirs at Leduc, Redwater, Pembina, Swan Hills and Rainbow, where the oil flowed like water. This left some tarry oil along the border at Lloydminster and Cold Lake that could be prompted to flow by lighting a

Great Canadian had invested 250 million dollars in their oil sands plant at McMurray, and though it produced 45,000 barrels of oil a day it lost money on every barrel for the first five years of its history. The plant began to break even when, in the mid 70's, the Sheiks of Araby had shrieked painfully enough to raise the price of Arabian (and therefore Albertan) crude to a representative fraction of its value. Syncrude in the mid seventies spent 500 million dollars to bring in their 100,000 barrel a day plant, and with constantly rising labour costs in the capital and labour intensive tar sand industry, also just managed to break even. Supplies of natural gas necessary for cheap hydrogenation of the McMurray oil sands were in increasingly short supply. Other major investments in the tar sands proceeded slowly and were not keeping up with the decline in conventional crude production. Oil that could be stripped from the Alberta fields by secondary and tertiary recovery methods came slowly and at very high So Alberta's 1984 production was down to 1,000,000 barrels a day of conventional crude, plus 300,000 barrels of tar sand oil, and 200,000 barrels of condensate, about half the Canadian demand for nearly 3 million barrels of liquid hydrocarbons a day. Alberta's gas wells in 1984 were still yielding 4 trillion cubic feet of stinking natural gas a year, but finding rates had declined to practically nothing and all new finds were dedicated to Alberta use. Sulpher was still piling up in yellow mounds.

in the declining years of the fossil fuel era

In the meanwhile the native land claims had not been settled for the Northwest Territories, and the Arctic gas pipeline was still a pipedream.

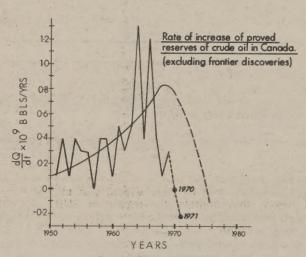
Ontario and Quebec had waited too long to build additional numbers of the little nuclear engine Candu, and though the existing engines were huffing and chuffing valiantly at Pickering and Douglas Point (and Gentilly in Quebec) they had not been able to catch up with the increased demand for electricity touched off in the first instance by Premier Lougheed of Alberta (by 1984 Prime Minister of Canada), raising the price for gas exported from Alberta in 1972.

One does not get too concerned about a deepening fossil fuel crisis when one has a summer home on the southern California coast and a winter retreat at Biscayne Bay in Florida, and the fuel supply remaining fossilized in the U.S. during the second Nixon era from 1972 to 1976. A bright little cloud of hydrogen gas appeared on the horizon, first noted by Fortune in September, 1972, in Faltenmeyer's article, "The energy joy ride is over" and in November 1972, as "The coming hydrogen economy" by Lawrence Lessing. The H2indenburg Society had bravely forecast the 1984 substitution of hydrogen produced by nuclear plants for

perpetually frozen pipeline at an initial rate of three billion cubic feet a day, presently worth a million dollars at wellhead, and worth \$5 million in Toronto, Montreal and Chicago, yielding hundreds of millions a year in royalties and taxes, committing only a handful of Eskimos and Indians to looking after it along with their trap lines, in a life little different from that of the past 10,000 years. The direct revenues accruing to the 40,000 residents of the NWT in royalties, and rentals will not be less than \$5000 person per year, with a bonus of cheap fuel along all pipeline points. The Calgary based oil exploration companies might shift to Inuvik as the new province of Slave throws off the Ottawa yoke. With the potential of the Beaufort and Sverdrup basins before them, the northern oil industry might well grow into a giant, dwarfing its southern parent. The initial threshold volume of 15 trillion cubic feet of natural gas is in hand, and alone justifies the Arctic gas pipeline. The potential of the basin is much greater.

The oil industry has yielded direct revenues of \$3 billion to Albertans since 1947, and proven reserves guarantee another \$3 billion in the quarter century ahead, the tail end of the fossil fuel era. There is little evidence that this industry has caused environmental

From Nuclear Energy and the Fossil Fuels, Trans. Royal Society Canada, 1970 with extension of curve based on data for past two years, R. E FOLINSBEE



Since the halcyon days of Rainbow, when we were adding a billion barrels of oil a year to Canadian reserves through drilling in the southern part of the Western Canada basin, increased rates of production and declining discovery have led to the present

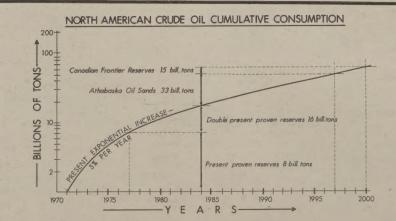
position where we are producing 5 times as much oil as we are finding; our conventional reserves will be nearly exhausted by 1984 if not supplemented by finds on the frontier.

the gasoline, kerosene and natural gas previously used to drive American cars and planes, and heat and light their homes. Faced with the alternative between generating their own power at home, and buying Arabian oil and Russian gas at \$30 billion a year (twice the value of the gold in Fort Knox), the U.S. in 1976 decided on rapid conversion to a hydrogen economy; the technology had been developed in the 60's as a spin off from the moon shots. The conversion was completed in 1984, with hydrogen filling the pipelines of that nation, in liquid form fuelling its jets and cars, and with Canada left north in the cold, with an antiquated technology. Now prepared to sell their Arctic gas, the Canadians found no takers, for the bottom had dropped out of the carbon dioxide producing fossil fuel market, just as the market for polluting coals disappeared in 1947.

The cautious Canadians kept asking, but isn't hydrogen dangerous (little remembering that in the first 100 years of the nation they had piped and used coal gas containing not only 50% hydrogen, but lethal amounts of carbon monoxide to boot, in all the cities from

Orwell, the 1984 scenario I have sketched may not come to pass. Perhaps the Arctic pipeline will have been approved and emplaced to ship cold Arctic gas in a

damage - our cities have, in truth, the cleanest air in the world above them. The Leduc field still lies a mile below the wheat, and Devon is growing into a pleasant satellite town as the oil boom fades. In our view the development and production of Arctic oil and gas will be a short term interlude, generating immense short term wealth. The capital needed to develop the northern gas and oil potential is \$2 billion per year for the next decade, or 2% of Canada's Gross National Product. Comparatively, this is no greater percentage than has been invested annually in the Western Canada Basin for the past 25 years, causing the cities of Calgary and Edmonton to mushroom into power and wealth, building two great universities. The \$2 billion could be generated from Canadian capital to keep the north completely under Canadian control. It would seem desirable, however, to enlist the financial support of our potential customers, the Americans, for to shut them out would only accelerate American conversion to the hydrogen economy that will relegate our Arctic gas to the realm of a frozen asset. What is most important is that we take the capital generated from northern gas to move into thy more sophisticated and permanent hydrogen based energy system, a system that this country, isolated from the direct rays of the sun, must eventually have to continue as a habitat for any but a handful of persons.



iVorth American reserves of petroleum are finite, and even with rapid development of the Athabasca Oil Sands and frontier fields will not long withstand the onslaught of continuing

exponential growth in consumption; a crisis in supply may occur within a decade, as the capital needed to generate new reserves or develop tar sand plants may not be forthcoming.



... the dominant themen

The Urban Design Group is a collection of individuals who present two awards each month to examples, in their opinion, of good and bad design in the urban context. Last month's "Black Ribbon Award" went to the new provincial courthouse on Churchill Square; the "Canadian Champagne Award" was given to Professor Richard Baird for saving two elms from destruction on 83 avenue, November's awards will be announced December I.

Nominations for future awards are welcome c/o The Urban Design Group, 11132 83 Avenue.

Someone associated with the campus plan once claimed that it was modelled after Florence or Venice--intimate little Piazzas, medieval-type passageways, "manageable" open spaces, stimulating jumble of shapes, sizes and textures. Those of you who cannot yet see Florence rising on the banks of the Saskatchewan now realize how deep the gulf is between yourselves and the people building our campus.

It is easy to lose one's cool discussing the campus plan. And that gives an important clue to what is wrong. What we see at odds at the U of A is a "system" versus the particularism of its opponents. It is all the logic of an internally consistent model (the plan) versus the volition and "irrationality" of individual human beings (the people). So we see a quick flush of anger when living critics are opposed by an inanimate and approved system, It is a microcosm of the larger struggle that characterizes our society.

The logic of a system is internal. Thus an elegant model can be defended repeatedly and successfully as long as the defenders stay within their own terms of reference. Indeed that is precisely the defensive tactic they take when confronted by critics. But it should be obvious that no system can be all-encompassing. What remains outside the system always stands as an indication of other values and perceptions.

The existing campus plan has characteristics typical of a system - well articulated assumptions. A growing university in the middle of the city indicates to planners that we will have an "urban campus" with certain consequences for form and the use of space. With our sometimes cold winters the plan assumes that all major areas should be connected and there should be no on-campus walk that requires longer than ten minutes. In sum, the plan starts with a general statement that we aim for an enclosed compact urban campus.

But a plan should be capable of taking non-system factors into account. A plan might be very sensitive indeed to "outside" factors yet retain its own integrity. And that is what is relevant to the U of A. Our plan has proceeded on its own logic without serious reference to factors outside the system. That is why one can accuse the plan of insensitivity without opposing the plan's concept per se, what many people are really saying, and what the Urban Design Group supports, is that the implementation of the plan has been disasterous, not necessarily the concept itself. This obviously need not be a paradox. One need only recall the phrase: "The road to hell is paved with good intentions,"

It is the refusal of the planners to turn their heads far enough to appreciate values other than their own that generates intense anger. It is anger against the presumption of any system to universal validity. The inhumanity of that presumption directly underlies the inhumanity of the present campus.

The plan emphasizes compactness and the relations of interior space. The question of exterior relations is ignored. Thus centuries of architectural experience in the relation of form to nature, space and other forms is largely irrelevant to our campus plan. It has been edited out in the plan's assumptions. Buildings are

designed and situated on the basinterior space, with no consideragiven to their relations to each other, evidence makes that clear. Individually with a developed appreciation of exterior standards of relation therefore shocked, alienated depressed by what has happened at the standards of the st

of A. To be outside is to be offended

of his ownic

Moreover, the plan proceeds wisimilar disregard for sentimental historic values (as most systems. Where a physical environment in a part of the campus has survived affection in tens of thousands of and hearts, the plan unmind eliminates it. The new plan, the plan unmind eliminates it the new plan the university of its thousands of earlier for has any claim to respect. Thus we sincreasing disaffection of the alumning the U of A, disaffection bred essential.

It is not the intention of the prearticle to characterize the plan's con as disasterous, but rather implementation. Humanity went into plan in some measure in 1968. It is in some measure, and far too little, humanity has been seen since, That in planning issue at U of A.

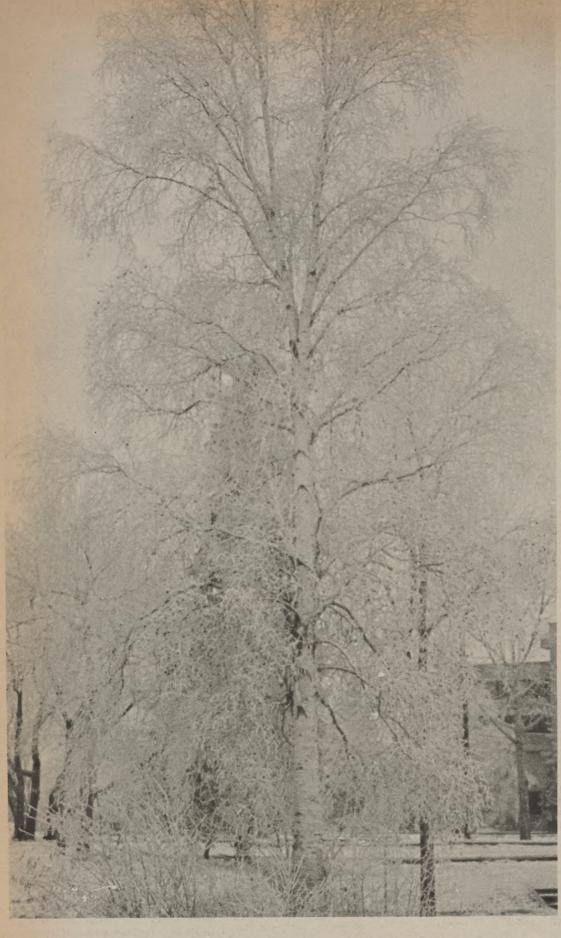
Walking to the University from the in 1970 one could see a large change glowing through a tall, graceful, window at the end of 90 avenue. the Rutherford Library greeting the snow-shrouded city. Inside, one chart the darkening sky through fine large windows, the colours not but deepening into the universe of You can see the windows now from a few feet away and they look nothing. The Rutherford has succur to an afterthought, purposely g onto it and destroying its unique pe The harmony of the old has replaced with the disfigurement of new. All in the name of function addition HUB locks Rutherford from its former access to the comm The windows are blinded, the Ruthe is amended, imprisoned and in effe

Approaching campus on the nexts north, the eye was once drawn the overhanging branches up a long tree-sidewalk to the humane and dignentrance to the Arts Building. beautiful street almost seemed to for the Arts Building-drawing community into the humanities and the university. The street, the tree the invitation have been elimited.

and yielded its harvest to the raneighbourhood kids, the Windsor Conow stands.

On April nights past, one could the main quad, look through the green leaves of an extraordinary el down between a series of stairway stone walls to the entrance of Cameron Library. It was a building to be sure located in the of the U of A campus. It was pe even a major mistake. But once clothed in trees and the setting s became an odd kind of friend. It psychic escape route from the lower in topography, removed fro square lines of the remainder of th space. A massive concrete tube smashes through the front of it; at wall now blots it from consciousnes nascent friendship between the Qu the Cameron has been killed, and the friends themselves.

Having begun, where do we Beautiful fields of grain once 9 front of the old residences.



The plan denies us the seasons. Winter is our most compelling natural fact. The campus plan, rather than coping with winter seeks to reject it. We do not find winter so unpleasant that we care nothing for subtly-drifted fields and trees clothed in snow and hoar-frost. Our shivering does not make us blind to the beauty of old buildings glowing with their orange light through the ice-fogged air. We want no part of any arrangement that trades our comfort for ugliness, our convenience for destruction. If an "urban" campus means isolation from nature in the way we live and build in our environment, we want no urban campus. The U of A has been built for a few weeks of really cold weather, not appreciating that one season increases the value of the next. We need a spring, summer and autumn campus, too.



ates itself, its friends

It is as though one large ego were bent on the realization ision with regard to no other values.

Something like children with a new enthusiasm, planners have rushed ahead with eyes riveted to their own goals. So doing they have trampled on the delicate, brushed aside thousands of people's best memories, demolished one of Edmonton's finest neighbourhoods, and literally walled the campus off from its surrounding community. They have created a physical environment to which most people cannot generously relate. The U of A is not a place to linger but to leave. The effect on the "community of scholars" must needs be unfortunate indeed.

The plan denies us the seasons. Winter is our most compelling natural fact. The campus plan, rather than coping with winter seeks to reject it. We are building an inside campus when, for most of the vear our climate calls us into the outdoors. And that includes much of winter. We do not find winter so unpleasant that we care nothing for subtly-drifted fields and trees clothed in snow and hoar-frost. Our shivering does not make us blind to the beauty of old buildings glowing with their orange light through the ice-fogged air. We want no part of any arrangement that trades our comfort for ugliness, our convenience for destruction. If an "urban" campus means isolation from nature in the way we live and build in our environment, we want no urban campus. The U of A has been built for a few weeks of really cold weather, not appreciating that one season increases the value of the next. We need a spring, summer and autumn campus too.

The plan denies Garneau community. A community that had grown over many decades into one of Edmonton's most characterful, humane environments was forcefully expropriated and destroyed. Where the University once faced streets full of children, old people, students, professors, ancient and unique houses, cariguiana hedges, cats and dogs, it would now abut a freeway, laundromats, garagestations and glaring mercury lights. The University thus becomes all the more

an institution, isolated from real life, isolated in one of the artificial and alienating pockets of our badly constructed urban environment.

By extension the plan denies the city and the province. With all the forces of increasing size and complexity already making access to the university by 'ordinary" people more difficult, the plan assures it. HUB looms like the wall of China in the east- but in this case the exterior of the building is almost completely lacking in esthetic value. On the north the river is a natural barrier to entry, and much of this prime land is fenced off for convenient study by university scholars. On the west concrete carparks and fences discourage access, and on the south vast open spaces leave access in doubt. (That is, except for the new medical sciences building that hunches like some secret 1940 research establishment in the Soviet Urals.) Where other universities have wide gates and portals to focus their welcome and direct their visitors, the U of A presents a featureless face of concrete or nothingness. Again, all the concern is on the inside, with the university's own business.

What is the effect of these constructions on the faculty and students here? As suggested above, those with a developed taste for architecture and relations of form are demoralized, Identification of students and faculty cannot be with particular qualities of the physical environment because the environment is so unparticular- the repetition here of the corporate insensitivity of our city centres. There is no space to gain perspectives, and now at any rate, the perspectives are so unpleasant that the remaining space is nearly useless. The shared consciousness that derives from appreciation of one's surroundings is distroted into a shared feeling of rejection and apathy. The plan sustains no spirit of excellence, but rather one of confusion and futility.

As suggested above, the dominant



theme running through the plan is lack of respect. It is as though one large ego were bent on the realization of his own vision with regard to no other values. Where fifty years ago one man created a building of certain style, form and scale, the exterior relations needed to maintain its integrity are disallowed. In effect, that architect and the society in which he worked are denied their art. So the Arts Building faced its final threat with the new Commerce Building- now mercifully stalled by campus opinion, Similarly the men and women who built the Rutherford have been slapped down by that monstrous addition. The odd vernacular of the Cameron has been almost entirely shattered by that repugnant umbilical cord attached to its face: if ever a building need its own space, it was the Cameron. Each of these buildings once expressed its own individuality, albeit some to an excessive degree. Each of them has been manipulated and disfigured as though it had no rights of its own. And the former human inhabitants and friends of these buildings feel the same pangs of insult. In its disrespect of our past and our sentiments, the plan is not indigenous to Alberta. It is someone elses vision, someone who has not and does not experience life here. It is in that sense, alienation extant.

While the university has been constructed, particularly since 1968, with immense disrespect, it has been done in the general absence of public criticism,

particularly on campus. When the then President of the Students' Union was approached to stop the construction of Central Academic he replied that "it is already approved" and was not worth opposing. When the general plan was adopted, no audible reservations emerged from either students or faculty. When the whole question of the physical from of the University was given over to planners thousands of miles away, no noticeable questions were raised.

ave exp

Now we have experience with the existing plan. It almost seems too latethey moved so quickly and on so many fronts. But there is more in the works. We should stop further implementation of the plan, review the processes followed up to this point, and begin to talk about the extremely difficult task of restoration. The plan has surely made it clear that "professionals" and "experts" are basically just other people with particular technical training. The training may be good or bad. The people may be sensitive or corporate, Since professionals will not criticize each other, it is left to us, the "laymen" to point out what is destructive and inhuman in their work.

The University campus should manifest, as far as it can, our best cultural values, something, as Spangler says, of our soul. Surely we cannot believe that it does so at present. We must assert ourselves at last.

- pedestrian path's a maze

In the days of the aristocracy in Europe, some of the landed gentry directed their gardeners to plan and maintain mazes using hedges. These could be complicated and interesting. Some can still be seen at the big estates.

We at the University of Alberta do a better job, Instead of lowly paid gardeners to design our mazes, we employ highly paid architects and planners. And, instead of using hedge plants, we build our mazes in concrete. It is possible that the length of life of some of the hedge mazes will be longer than those here. We cannot say.

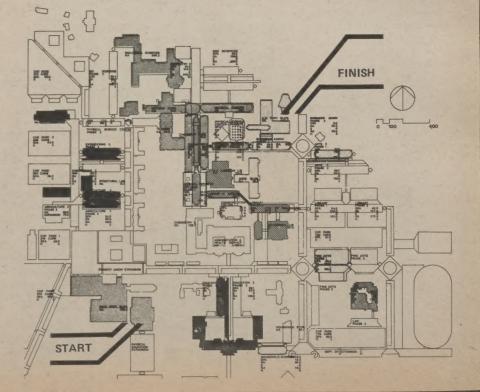
In order to appreciate the success of the campus planners, consider one of the routes you follow. How much of the time does the prescribed route follow toward the goal? By how much has the traffic deviated from the prescribed route to shorten the distance?

As examples, consider two routes from SUB to Tory. Both cross the open area to the vicinity of CAB without much difficulty. So far the campus planners have left this area clear. Route 1 then goes down steps to pass under the end of CAB. The number of pedestrians using this route gives evidence that I am not the only one who considers it dangerous. A steep 18-ft. flight of stairs has hand rails on both sides and one in the middle. A trip on the top step could cause a tumble down the stairs. With northwest winds the strong gusts at the top of the stairs could easily be the cause of missing one's step. It is safer to climb the stairs, and more people go up than down. From the east side of CAB the route is straight to the end of Arts. This is a pedestrian area (as announced by the sign), and so one can move readily except for service vehicles, trucks, and taxicabs. East of Arts, one moves northward. The road way is again in a pedestrian area but the hazards now include workmen's cars, more trucks, and the Jiffy Catering Service. Correction. On Sunday mornings, watch out for Campus Police. This is the time they move into the area to see that it is not being used by taxis, trucks workmen's cars, and the Jiffy Catering Service. One may also move along the walk in front of Arts, climbing up and down "temporary" flights of stairs, to reach Tory.

The alternate route twists and turns through CAB and the entrance to Cameron. There are six doors, of which some are still locked at 7:40 A.M. From the exit to the Library, one turns almost completely around to pass under the overpass to CAB. Recently, an obstacle has been built here to make the route more circuitous. The next danger point is at the corner of Cameron. If the traffic is light, you are sure, at the blind corner, to bump into the sole pedestrian moving westward. If the traffic is heavy, you walk in the road with its potholes which are filled with water after every rain.

Past the corner of Cameron, you are once again in the "Pedestrian Area" where of course you are safe. The movement to Tory is still simple. But there are rumors that a new building is to be erected across this route. In other words, the campus planners are still struggling to complete the maze that is the University of Alberta Campus.

Richmond Longley











the symphony returns

The judges had no choice. The uniformly high quality of the best of the young Alberta Prize Winners' Competition made it impossible for the judges to choose only two finalists as was originally envisaged. The result is that four artists - a tenor and three pianists - will now compete in the finals of the competition on December 2-3, as part of the fourth Main Series concert of the season.

The competition, sponsored jointly by the Department of Culture, Youth and Recreation and the Edmonton Symphony Society, has as its principal goal to give Alberta's most promising young artists an opportunity to perform in public concerts with a professional symphony orchestra.

At the preliminaries held in Convocation Hall on the University of Alberta campus on Sunday, November 19, the judges - Lawrence Leonard, Music Director and Conductor of the Edmonton Symphony Orchestra, James Keene, Concertmaster of the Edmonton Symphony Orchestra, Bernard Turgeon, Department of Music, University of Alberta, Ernest Lejano, Department of Music, University of Alberta, Robert Cook, Supervisor, Music Division, Department of Culture, Youth and Recreation, and Jorgen Holgersen, General Manager of the Edmonton Symphony Society - found themselves with no alternative but to throw the finals open to tenor Roger Ohlsen, and pianists Glen Montgomery, John Hendrickson, and Joachim

Roger Ohlsen, 20, of Edmonton, won an Edmonton Opera Guild Tuition Scholarship to commence the University of Alberta's Voice-Opera program. He has studied for three years under Mr. Jean Letourneau and for two years under Mr. Bernard Turgeon. He has also spent two summers at the Banff School of presently in his second year of the B. Mus. program at the University of Alberta. He has chosen to perform arias from two opera, "Vainement ma bien aime", from Le Roi D'Ys by Lalo, and "Che Gelida Manina". from Puccini's La Boheme.

Glen Montgomery, 16, of Calgary, reached the semi-finals of the CBC Talent Festival, the finals of the Alberta Provincial Festival, and was also among the winners of the 1972 Calgary Centennial Planetarium Awards. He has performed as soloist with the Calgary Youth Orchestra, and won a gold medal in the Spokane International Competition. Mr. Montgomery is a student of John Du Val. For the finals on December 2-3 Mr. Montgomery has chosen to play the first movement of the Chopin 'Piano Concerto Number 1 in E Minor."

John Hendrickson, 16, of Edmonton, has studied piano for nine years, the last five under Alexandra Munn of the University of Alberta. He has competed in a great many competitions and tied for first place in the Buffalo, New York, Chopin Young Pianists' Competition in 1972. Mr. Hendrickson has given several recitals - all to standing ovations - and has appeared twice as soloist with the Edmonton Youth Orchestra. He has chosen to perform the first movement of the Beethoven "Piano Concerto No. 4.

Joachim Segger, 16, of Edmonton, won first prize in the Junior division of the Alberta Provincial Festival. He has studied since 1969 under Ernest Lejano of the University of Alberta, Mr. Segger recieved a mark of 92 in his Grade 9 piano examination, and has preformed Beethoven's Third Piano Concerto with the Edmonton Youth Orchestra. He has decided to perform the first movement of the Grieg "Piano Concerto in A Minor."

The four young artists will be competing for prizes of \$500.00, \$400.00, \$300.00, and \$200.00.

Assistant Conductor Ted Kardash will conduct the orchestra in the soloists' works, while Maestro Lawrence Leonard will conduct Schubert's "Symphony Number 6". Doubling the number of soloists necessitated dropping the Bach "Suite Number 1 in C".

dave kealy

Last weekend I went up to the Room at the Top for an evening of Dave Kealy hosted by Albany Studio Part II.

It was like walking into the past of about two or three years ago. The music and musicians were different from the raunchy blues belter that we are hearing so much of nowadays. Instead there were three musicians standing before us singing like mellowed gentlemen of the 'folk ballad' era. Most of the material was their own. They played a little Kristofferson other material that went easily unnoticed. All in all they played light easily digested songs; their humor was pleasant and so was the evening.

or

some like it hot (cottage)

For a drastic change HOT COTTAGE will be performing SUNDAY DEC. 3 at 9 p.m. at Room at the Top presented by Albany 2.

J. Shearer

the alberta ballet

Last week I spent the afternoon with the Alberta Ballet Company. Richard Silver was my host for the afternoon. I was greeted the moment I entered their office, which is above Grant MacEwan College downtown. Everyone was in good spirit and eager to help me become acquainted with their work. I sat in on rehearsals for the Christmas production of "Swan Lake" Act 2 and "The Nutcracker Suite". I was modestly amazed by the discipline of the Dancers under the direction of Miss Lois Smith, former Prima Ballerina of the National Ballet of Canada, Their refreshing approach to their art kept up the pace of the afternoon. Before I realized it, it was 5 o'clock and I had spent five hours with them in their daily routine, I could have gone on for another five; I know that they did. Members of the Company teach dancing to those of the general public who are interested in developing their skill and appreciation of Ballet.

The Alberta Ballet Company was incorporated in 1966 for the purpose of presenting dance of professional calibre to all the people of Alberta, Ruth Carse was appointed Artistic Director. Since its incorporation the Company has danced in more than thirty different centres in Alberta. Tours have included performances from Pincher Creek to Peace River, and including Calgary and Edmonton have drawn a total audience of more than 40,000 people. The Company also performs lecture demonstrations in the schools of each community and these have been attended by more than 18,000 students. The cost of these touring activities is borne equally by the Company, each Community, and the Province of Alberta.

The major productions of each season are presented at Christmas and in 1970 the Company performed its first full-length Ballet, COPPELIA, at the Northern Alberta Jubilee Auditorium in Edmonton to standing ovations and critical acclaim. In response to this enthusiasm COPPELIA was presented again for the Christmas season, 1971, and another favorite ballet, THE NUTCRACKER, an outstanding success, was added to the repertoire. For the 1972 Christmas season, THE NUTCRACKER will be repeated with the addition of SWAN LAKE ACT II and for the first time guest artists will be appearing in the principal roles.

The Alberta Ballet Company is a non-profit organization working to encourage and promote interest in dance throughout Western Canada, and particularly to encourage and develop young Alberta talent, The Company took a major step in this direction in September 1971 with the opening of the Alberta Ballet Company School in Edmonton, Miss Carse is the Principal and Miss Deborah Sims, a former teacher with the Royal Ballet.

ballet company



A great treat is in store for Albertans this Christmas, as the Alberta Ballet Company prepares for the Holiday season. This year the young but growing company will add another "first" to it's exciting history, as it presents "Swan Lake, Act 2" along with last year's highly successful, sell-out production of the "Nutcracker,"

Miss Lois Smith, former prima Ballerina of the National Ballet of Canada, choreographed "Swan Lake" for the Company. The two guest soloists, Karen Bowes and Garry Semeniuk, are also from the National Ballet.

The Edmonton Symphony Orchestra, under the musical direction of Thomas Rolston will be appearing with the Company for their performances in both Edmonton (December 26 and 27) and Calgary (December 30) at 2:15 and 8:30. Tickets are \$6, \$5, \$4, and \$3, with children half-price. Tickets can be purchased at the Opera Box-Office on the third floor of the Bay in Edmonton or at the Ticket-Wicket, third floor of the Bay in Calgary.

jazz it up

On Saturday December 2nd, Edmontonians will have a chance to hear one of Canada's finest trumpet soloists, Bobby Herriot, when he will be featured as guest with the Cosmopolitan Club Jazz Band of Edmonton. The band is a 16 piece group consisting of trumpets, trombones, saxophones and rhythm section and is part of a non-profit community music program sponsored by the Cosmopolitan Men's Service Club of Edmonton.

Music played at this concert will range from modern big band rock-jazz by Frank Zappa to that of the old big bands such as Count Basie. Bobby Herriot is coming from Vancouver especially for this concert and the admission price of \$1.50 (at the door) is to cover expenses. The concert is at 8:30 p.m., at Ramsey Hall (Garneau United Church) 84 Avenue and 112 Street.

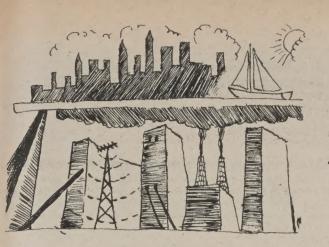


theatre 3 wants you to...

Right now, Edmonton's youngest and liveliest professional theatre, is looking for scripts to be produced next season. Playwrights with material which they wish to be considered should submit it as soon as possible to Ben Tarver,

Dramaturge, c/o The University of Alberta Drama Department, or to the THEATRE 3 office, no. 709, 9990 Jasper Avenue, Edmonton, Plays may be either one act, or full length; the only stipulation is that they be Canadian.

The Future of Canadian Cities,



(Boyce Richardson, Toronto: New Press. 1972, \$7.95)

Discussions of the urban situation generally tend toward the apocalyptic. The city is a concrete prison full of poison gases and too many robot-like people. In comparison Boyce Richardson is almost optimistic. He takes a careful rational look at the concept of the city and as the title of his book indicates, he believes that there is a future for Canadian cities. The quality of this future depends upon the action taken by citizens now. We must "face the pressures of urbanization from a secure base: a firm perception of the nature of the existing city." Richardson's basic definition of a city involves, of course, a high density population. The significant factor in his image of the city is that citizens and the physical structures would not be considered mutually exclusive entities. There is an organic interdependence of people and institutions, such as parks, schools, downtown and recreational facilities.

Richardson attributes the continuing disintegration of American cities to an over-application of the principles of individualism. The goals of the private (and generally rich capitalistic) citizen cannot be placed above the goals of the general public. I talked to Richardson last week when he was through Edmonton. He admitted that his is an idealistic view and rather left of centre, However he mentioned that the response he has received on talk-shows across Canada indicates a general support for his ideas among the people most affected by urban development. Richardson has constructed an argument that proves that such a concept of a city is not impossible though it does involve a certain amount of basic change in the economic structures of society. A more egalitarian system is needed. However, Richardson demonstrates that the changes required are hardly radical. Pointing to the 1970 FRAP confrontation with the city of Montreal, Richardson states that "with the exception of the proposal Tor tree urban transportation there was nothing in it that has not been tried successfully in other cities in other countries."

Basic to Richardson's argument is the idea that the city is for people. City expenditures should go toward upgrading the kind of life possible for those people who centre their lives in an urban environment. This does not mean that city budgets must be stretched to cover more and more elaborate white elephants like Expo or even smaller elephants like domed stadiums and convention centres. These structures, which we so euphemistically refer to as 'urban renewal', do nothing to revitalize a city. In fact, they drain the city's financial and environmental resources. The central area of a city seems to be dying so city planners just scrape it away to make room for

monuments to the arts and gigantic commercial complexes. These are used by a very small portion of the population. Meanwhile the urban poor who used to live there are transplanted to pre-fab slums, euphemistically termed "public housing" with the definite implication of social inferiority. Richardson is not a barbarian out to vandalize the National Arts Centre but he has focused on a flaw in our urban planning that I too must reluctantly recognize. Less elaborate single arts centres and Olympic stadiums could mean more smaller facilities. The main point is that these public institutions should be public, that is, readily accessible by all.

The question of accessibility leads Richardson into a complete investigation of the transit problems of a large city. His ideal solution is free urban transit with a concentrated use of rapid transit. Efficient public transportation is a necessity in a city. It should be ranked beside public health and medicare as a public expense. Cars are so detrimental to the environment that their cost to society far outstrips the price tag on the vehicle itself. Perhaps they ought to be taxed. Surely emission control devices should be mandatory. Richardson's discussion of transit is particularly apt for persons concerned with Edmonton's future.

Walking through CAB, without really counting, I noticed at least five signs offering land for sale. "Return to the Land" the people chorus as the quality of urban life decays. These people think they are escaping to an idyllic rural life. They drive their Land Rover to their pre-fab transplanted urban house. Marie Antoinette at Trianon! They fancy themselves ecologically aware but they have managed to ignore the fact that the city is an environment too. Boyce Richardson does not think there are any easy answers. He examines various alternatives in Sweden, Britain and Holland. Some of these ideas could work for us. Canada is still in a position to develop her cities in a rational humanistic manner and avoid the problems plaguing other nations. We already have urban sprawl through Southern Ontario. We certainly have a bureaucracy speciailzing in 'how not to do it' but Richardson maintains that Canadians have a predisposition to a concern for public welfare exhibited in our medicare schemes, Richardson's book is written in a very plain style. He avoids the complicated jargon of the city planners. His aim is to communicate with the people that live in cities and convince them that they can and must take steps to ensure that our future cities are viable social entities and not prisons. "The Future of Canadian Cities" is a very readable book and one that should be read.

Terri Moore

SUB ACTIVITIES FOR YOU

ARTS & CRAFTS -3 rd floor

- register for January classes NOW! see Lesley Drewoth behind Info Desk
- GLAZE WORKSHOP by John Shalke DECEMBER 15, 16, 17, class see Lesley Drewoth behind Info Desk

MUSIC LISTENING - main floor east

- have you tried this service yet?

ROOM AT THE TOP

- MONDAY to FRIDAY daily food service from 10 a.m.
- THURSDAY, NOVEMBER 30th Free Film Night 8:00 p.m. - National Film Board Films - "Citizen Harold" and "A Sad Song Of Yellow Skin"
- FRIDAY and SATURDAY, DECEMBER 1st and 2nd - 8:00 p.m. - "Sparky Rucker plays the Blues". \$1.00 at the door, 75 cents in advance
- SUNDAY, DECEMBER 3rd 9:00 p.m. Studio Albany Part Two presents "Hot Cottage" \$1.00 at the door, 75 sents in advance.
- MONDAY, DECEMBER 4th 8:00 p.m. U of A Jazz Ensemble \$1.00 at the door

THEATRE 2 nd floor

- THURSDAY, NOVEMBER 30th 7:00 p.m. Forums present Andy Russell and his film "Grizzly Country" Students 50 cents, General Public \$1.00
- FRIDAY, DECEMBER 1st 3:00 p.m. Free Forums presents Andy Russell speaking on "Conservation Of The Environment'
- FRIDAY, DECEMBER 1st 6:30 and 9:00 p.m. Student Cinema "Husbands" \$1.00 at the door, 50 cents in advance.
- SUNDAY, DECEMBER 3rd 6:30 and 9:00 p.m. -Student Cinema - "Patton" \$1.00 at the door, 50 cents in advance
- SUNDAY, DECEMBER 3rd 3:30 p.m. U of A Concert Band. Adults \$1.50, children 75 cents.
- MONDAY, DECEMBER 4th 8:00 p.m. Members only -Edmonton Film Society - "Double Suicide At Amijima"

GALLERY PRINT RENTALS

- main floor

- TUESDAY, DECEMBER 5th to DECEMBER 18th - "Arts and Crafts of Old Quebec" - a photography exhibit supplied by the National Film Board

STUDENT CINEMA

6:30 & 9:00

FRIDAY, DECEMBER 1

"Husbands is a great, important film!"



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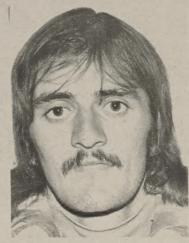
SPORTS

Golden Bear players of the week



Gary Weisbrot is one of those unselfish players who made Golden Bear football team a

After being named the all-star flanker in the western intercollegiate football conference, Gary was asked to step out of the spotlight for a more ignominious role. "He's labored in the pit all year," said Jim Donlevy, "and he's really paid the price. He has been blocking on every running play and running patterns on pass plays." Despite his added responsibilities, Weisbrot still caught 18 passes for 158 yards. Weisbrot finally scored his first touchdown of the season when it counted the most, in the College Bowl Saturday, Weisbrot released from his blocking position on a field goal attempt and caught a toss from Dale Schulha to give Bears a 20-point lead. As well, Gary made a one-handed catch to set up Bears' earlier touchdown, Registered in the physical education faculty, Gary is six-foot-one and weighs 180



Playoff games are often dominated by the player who has toiled in obscurity most of the season. Such was the case Saturday in the College Bowl when defensive halfback Roger Comartin was voted a share of the Ted Morris trophy with Andy McLeod for the game's most valuable player. Comartin learned he would start in the Bowl (his second game of the season, the other was against Manitoba) just two hours prior to the opening kick-off. A knee injury kept Bear captain Dave Kates out of the game, Despite being hampered with a pulled groin muscle, Comartin put blanket coverage on Golden Hawks' receiver Dave Pickett and rocked Ted Passmore twice on kickoff returns. "The muscle slipped out because of the sandy field at the end of the second quarter. I was ready to quit by then. But I was playing for the six guys who weren't starting. A good hitter for his size (six-foot-one, 160 pounds) Roger played three seasons with Edmonton Huskies junior team where he made all-star team twice. Roger is a third-year physical education student.

Education upsets winners at track and field meet

Education, the upset winner of the track and field meet, has slipped past Recreation for the top spot in "B" Conference. Education now has 399 points, Recreation has 392, and Lambda Chi has 358. The Unit standings for "A" Conference show Law with a big lead. They have 1209, Kappa Sigma has 825, and Dentistry has 824.

As predicted, the Chinese Students' Association captured the Co-rec Volleyball crown last Wednesday evening, Vincent Lao and Greta Hanke led C.S.A.'s attack over Ken's Trenching with scores of 15-10, 6-15, and

Co-rec Bowling Tournament was run-off on Sunday afternoon at the S.U.B. Lanes and Natalie Cheung and Tom Kan walked away with the title. They had a three-game team total of 1056.

The Division II and III Hockey deadline is Tuesday, at 1 p.m. at the Men's Intramural Office. Because of its immense popularity, the unit managers are asked to try and limit their number of teams. number of teams.

Entries will be required to have fifteen names on their list before they will be accepted. This is due to the fact that about 30 games will be cancelled because of Reading Week. Independent and Non-skating team entries will be accepted but will be the first cut if scheduling

problems occur.

Eric Preville, the former center of the Sherwood Park Barons, is still a hustling hockey player. Eric is now patrolling the

blueline for the Medicine "A" hockey team. Tuesday night he blasted a shot from the left point late in the 1st period that beat Dentistry goal tender Rob Warner. It proved to be the winner as Medicine went on to defeat Dentistry 3-0 in the last regularly scheduled Division I hockey game. Other markers were scored by Al Josephson and Bob Drake in the third period. This victory for Medicine gives them a 6-0 record, the best in Division I, and hockey analysts around campus expect the: Meds to continue their unbeaten string during the playoffs.

On Saturday morning at 9:30 a.m. A.A.A. tackles Upper Residence, on Monday night, Dec. 4, at 9:45, Geology plays the winner of the Medicine-St. Joe's clash, and on Tuesday night, Dec. 5, at 9:45, the Phi Delts play either A.A.A. or Upper Res. It is pretty difficult to pick the finalists for Thursday pick at 9:45 p.m. but Thursday night at 9:45 p.m., but from their showing in league play, Medicine and the Phi Delts

appear to be the likely picks.

Our Intramural "Participant of the Week" is Fred Dent of Lower Residence. On Tuesday, Nov. 28, Fred scored points to lead his Lower Res. 'A' Basketball team to a convincing 60-18 victory over Apathy 'A'. Fred played in all of Lower Res. six league games in hockey, and also their exhibition hockey game against Upper Residence on Monday night. Fred is also a member of the Intramural Basketball Referee Corps. rj

Basketball Bears on losing streak

Bob Bain's face reflects the obvious disappointment of a coach whose team has lost seven consecutive games.

Bain's only consolation is that all but two of these losses have come in exhibition play.

The Golden Bear basketball squad dropped a pair of games in the Waterloo Tip-off tournament this weekend in Waterloo.

Friday night, Bears were beaten by the eventual tournament winner, Windsor University, 90-71 and Saturday they overcame a 23-point dificit pull within three points, 86-83 of Western Ontario.
"I'm a little disappointed

with everyone's performance," says Bain. "They're not hustling and they're not fulfilling their responsibilities on the court. We should have won more than we

Bears came up with only four offensive rebounds against a Windsor team Bain calls "the best I've ever seen in Canada."

Bears stayed fairly close to Windsor in the first half, but fell apart in the second.

Mike Frisby led the way for Bears with 27 points, but the big post-man captured only one offensive rebound. Doug Nicholls and Wally Tollestrup each scored 16 points.

Frisby failed to get rebound in the Western Ontario game, but still managed to score 15 points. Tom Solyom paced

Bears with 21 points.
"We were behind by 23 points and decided to play with ten minutes left. We narrowed it down to three points, but time

The coach listed two

possible solutions to the

problem. "Firstly, we have to get rid of the people who aren't doing their job, and second, we have to make it clear we have to stick together as a team."

Bain stressed the importance Bears' weekend double header with the first place University of British Columbia Thunderbirds in the Main Gym,

Thunderbirds are currently tied with Saskatchewan for first place in the western conference, both with a 3-1 won-lost record

'Beating UBC twice would put us right back into contention. But, if we lose, it will be a long road back."

Cagers will play Friday and Saturday nights at 8:30 in the Main Gym.

Kings, T'Birds out to skin Bears

Golden Bears have been working extra hard in the ice arena this week in preparation for two weekend super matches.

Friday night they meet arch-rivals Edmonton Oil Kings in Varsity Arena in what Terry Jones of the Journal terms "the exhibition game of the year.' Sunday, Bears return to regular season play when they take on UBC Thunderbirds.

Of the Oil Kings game, coach are Drake says, "I haven't Clare Drake says, been playing it up at all. The regular season games are more important. Oil Kings have a busy schedule and they're doing us a favor in agreeing to this game.

"We're taking it very seriously," adds forward Gerry

Panda volleyball preview:

Bears may be playing without the services of Oliver Steward who is suffering from a severe charley horse in his thigh. Juniors added to the weekend roster are Rick Peterson and John Kuzbik. Drake indicates that Bruce Crawford, another junior player who has done so well with both teams lately, will be added to the varsity squad permanently.

Drake describes UBC as the "best offensive team in the

league. They're good goal scorers," he adds.
UBC, who, like the Bears, have lost valuable players through graduation and defection to the pro leagues, comes into town with a first

place league standing of 5-2 as opposed to Alberta's 4-1 record. T'birds have dropped games to Calgary and Saskatoon this year.

Last year, Bears and T'birds met four times in regular season play that saw Alberta win three and drop one. This year the two teams battled to a 6-6 tie in consolation finals in the Hockey Canada regional tournament earlier this month.

They were tied 3-3 going into

the third period when a lax Bear offense allowed the Birds to score three times. However, UBC then went to sleep and Bears replied with three fast goals to

tie it up. Game times are 8:30 Friday and 7:30 Sunday.



Bearcats beaten

Bearcats' no-defeat record was finally broken by St. Albert Bruins in a penalty-filled 10-7 contest Sunday in St. Albert.

"I don't know why, but we never seem to play well against the Bruins," commented Bearcats coach, Dick Wintermute after the game, "We were loose in our own end and

the defence had a bad night,"
Bruins outshot the 'Cats
30-28, while referee Larry
Dodds fingered St. Albert for 13 of 20 penalties handed out.

St. Albert jumped into ar early lead with two goals scored within 9 seconds of each other in the first three minutes of play, However, by the end of the first period, Bearcats were ahead 3-2 on goals by Dave Vinge, Darcy Lukenchuk and Randy

Action increased as the two teams were tied 5-5 at the end of the second period. Phillips netted his second of the night. netted his sec followed by a goal from John Kuzbik. Jan Kristensen, Craig Neeser and Ray Gauthier replied for Bruins.

Kuzbik again and John Devlin gave 'Cats a 7-6 lead in the third period, but goalie Bob Lanman allowed Bruins to score four times in the final eight minutes to end the game 10-7.

Neeser got a hat trick for Bruins, while Jim McComb netted two. Other single tallies came from Marcel Tourangeau, Jim Edwards and Dave

Saturday night in Sherwood Park, Lukenchuk scored three times to aid the 'Cats in their 9-5 victory over the Knights. Devlin dumped in two, while Barry Nabholz, Bob McVey, Kuzbik and Vinge netted singles.

Friday Bearcats downed South Side Metros 7-3, Jr. Bears are now tied for first place with Metros in the E.M.J.H.L. 'Cats boast a 9-1-1 record while South Side has 9-3-1.

The Panda Volleyball squad camp during the summer but

has high hopes for a shot at first place in this year's Canada West University Athletic Association.

One of the six rookies, Joanne Garrod, has had four years experience with U of Western Ontario, which took the Canadian Intercollegiate being a good setter, Garrod is very strong offensively. She is backed by Lindy Van Alstine, Susie Seaborn, Chris Cunnins, Rea Reynolds and Linda

All but Cummins and Daniels are veterans. Showing promise on offense are Ray Manoleseu, Donna Faye Johnson, Greta Hanke and Jean Ostrowercha, another veteran, Completing the line-up of setters are Van Alstine and Hanke, with Seaborn showing some sign of improvement,

Pandas placed third in the WCIAU standings last year WCIAU standings last year behind Calgary and UBC. Coach Sue Neill will probably meet her stiffest competition from UBC, with three of their players on the National Team. Calgary boasts one player on the team. Lindy Van Alstine was also invited to the National training

was unable to go. As well, for the first time in

three years, a junior varsity volleyball team has been organized under the keen coaching of Leola Palfreyman, a former physical education student now in the Education program. The team is composed of first and second year students. Coach Palfreyman says, "The team is young and

inexperienced, but they show a lot of promise." As part of the Edmonton Women's B league, their games are played every Tuesday night at Victoria Composite High School Both the Pandas and the Cubs

are entered in the U of A Invitational, which goes Saturday at 9 a.m. U of Calgary, Calgary Cals, Phoenix, U of Saskatchewan, Mount Royal College and a number of B teams

will also compete.

The Golden Bear swimming relays are set for Saturday at 12 noon in the West Pool. Pandas are entered in five of the meet's



Winners of the Co-rec volleyball title: Chinese Students Association

The College Bowl:

backbone beats Wishbone



Doug Seniuk tackles Fred McLean (20) as Gary Adam looks on



Adam rocks Golden Hawks' quarterback, Wayne Allison



Bears' runners: Dalton Smarsh (25) turns corner and



Terry Cairns (20) follows blockers into the line



A coaches' meeting: (I. to r.) Jim Donlevy, Clyde Smith, Garry Smith, Don Barry

Photo collection by Chuck Lyall

German soccer coach visits

One of the most respected soccer minds in the world will be in Edmonton Saturday on part of a Canada-wide tour designed to increase prowess in the sport.

Dettmar Cramer, the diminutive but dynamic coach from West Germany, will conduct three-hour soccer clinics Monday in the Main Gym and Tuesday in the Kinsmen Field House. The clinics, which are open to everyone, start both days at 7:30 p.m.

An instructor for the Federation International Football Association since 1967, Cramer visits various nations in the 140-member group to promote and improve the quality of the sport.

Cramer is often credited with Japan's development as a soccer power, having coached that country's 1968 Olympic team to a silver medal.

Cramer began to play soccer professionally at the age of 16 in his native country. Then, from 1952 to 1962, he tutored the German national soccer team, later becoming West Germany's coach in 1966.

U of A fencers dominate meet

One of the largest tournaments ever staged in Alberta, the Sun-Life Open, was held in the West Gym on the week-end.

A total of 90 fencers, most of them from Edmonton, Regina and Winnipeg, competed in five events.

The University of Alberta fencers, coached by Fran Wetterberg, eventually won nine of the 15 medals given out.

Jed Chapin led the way with a first place finish in the Epee and Sabre and a second in the men's senior foil, through which Tom Freeland went undefeated to win.

Helmut Mach placed third in the Sabre while Nina Shiels was second in the women's foil.

Julia McMaster of the faculty of English won the Women's foil event for the fifth time in the last seven years.

Prospects for future U of A fencing teams look bright as the men's novice foil was swept by local fencers. Hui Chee Wing took first, Stephan Leung was second and Edward Lee placed third.

The team now has a two-month rest before tournaments begin in the third week in January. The next tournament in Edmonton is the City Open, set for Jan. 26, 27.

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LICENSED ENTERTAINMENT NITELY

THURSDAY NOV 30

Everybody is welcome to our bible study meeting sponsored by Campus Crusade for Christ at 7:00 p.m. in **SUB Rm. 270A.**

The film "Grizzly Country" will be shown at 7 p.m. SUB Theatre. Admission is \$.50 for students, \$1 for non-students.

FRIDAY DEC 1

Sparky Rucker will entertain at RATT, 7th floor SUB, Friday and Saturday. Music at 9 p.m. Soup Kitchen serves good chili and a variety of teas and other beverages Admission is \$.75 advance at SUB info desk, \$1 at door.

Concert in Convocation Hall, Arts Building at 8:30 p.m. The program will include works by Couperin, Valentini, Sammartini, Grieg, Albeniz, Faure, Popper and Moor. No admission charge. Sponsored by the University of Alberta Cello

Forum with conservationalist, Andy Russell at 3:00 in SUB Theatre. Admission free.

International Folk Dancing on Fridays from 8 - 10:30 p m. in room 11, Physical Education Bldg.

SATURDAY DEC 2

Attention all Jewish Students: The Edmonton Union of Jewish Students will hold a Chanukah social at the home of Jack Margolus at 124 Laurier Drive at 8:00 p.m. For those wishing rides, please phone Connie Pexarlman, 432-2946. BYOB.

SUNDAY DEC 3

Ecumenical Forum: "Christ and the Pleasure Principle." Is Christianity a sexually repressive belief system? Held in the Meditation Room, 158 SUB at 8:00 p.m. Sponsored by the Chaplains Association.

"Hot Cottage" at Room At The Top at 9:00 p.m. Sponsored by Albany 2.

Concert in the Students' Union Building Theatre at 3:30 p.m. Randy Bain will appear as clarinet soloist.
Tickets (Adult, \$1.50; Children,
\$.75) are available from Band
members and at the door. Sponsored
by the University of Alberta Concert

TUESDAY DEC 5

A workshop on the life and music of Woody Guthrie will be presented at RATT, at 8:00 p.m. Sponsored by the Edmonton Felk Club. Everyone

The third meeting of the 1972-73 Boreal Circle series will be held at 8:00 p.m. in the cafeteria, (4th Floor, Centre Wing), Biological Sciences Building, Speakers: Dr. H. B. Brett, Regional Director Medical Sciences, Northern Region; Dr. A. P. Abbott, Director of Mental Health, Northern Region; Dr. O. Sheefer Northern Region; Dr. O. Shaefer, Medical Officer, Northern Medical Research Unit. The topic: Health Services to the Canadian North. Meter parking at Windsor Car Park, enter from 116 Street. Sponsored by the Federal Department of National Health and Welfare, Edmonton.

Presentation of The Play of Herod, a twelfth century liturgical drama adapted by Noah Greenberg, to take place in All Saints' Cathedral, 10035-103 Street at 8:30 p.m. The performance, which is after the New York Pro Musica production, is under the direction of Dale McIntosh, and will be fully staged with voices and instruments and with costumes by Joan Wolfenden. No admission charged. Sponsored by The Collegium Musicum of the Department of Music.

GENERAL FOOTNOTES

Christmas Cards from Cansave are for sale at the English Dept. General Office, Assiniboia Hall 226. at the English Dept.

The Campus Crusade for Christ is holding a conference at Hotel MacDonald, Edmonton. For detailed information and brochure, please call 436-3834 or 436-3324.

Anyone interested in supervising activities of Indian children and young adults, please contact Dave at 433-1661. We need your help.

The Edmonton French Theatre presents two plays together: Le chemin de lacrois by Jean Barbeau, and Le Cantatrice Chauve by lonesco. Tickets are \$2.00 for adults, \$1.25 for students. The theatre is at College St. Jean, 8406-91 Street and the dates are November 21, 24, 25, 28 and December 1 and 2.

The Putnam International Mathematical competition will be held on Sat, Dec 2, 1972. Those who enjoy working on hard mathematical problems (and competition) are encouraged to sign up for it. Some members of the Math Dept. have volunteered to hold informal training seminars. If you are interested call or see J. Timourian, CA575, ex3395, or R. Mureika, CA 589, ex 3531.

Lutheran Student Movement: Vespers 9pm every Thursday at the Lutheran Student Centre 11122 86 Inquire about bible studies 439-5787

NOTICE TO ALL THOSE WISHING NOTICE TO ALL THOSE WISHING TO USE FOOTNOTES BEFORE XMAS' THE LAST ISSUE OF THE GATEWAY COMES OUT ON DEC 12.PLEASE TRY TO GET ALL ANNOUNCEMENTS FOR THE HOLIDAY BREAK IN BEFORE FRIDAY DEC 8,AND ALSO USE THE FORMS PROVIDED. YOUR COOPERATION WOULD BE GREATLY APPRECIATED FOOTNOTES ED.) continued from page 1

the motion of Shandro and Christensen (engineering rep) to declare the arts seat currently held by Mark Priegert vacant and to call for elections as soon as possible to fill the vacancy, was defeated.

In speaking against the motion Chris Bearchell (arts rep) said that if council wanted to vacate the seat, they should go through the procedure of impeaching Priegert. Failing that, council had no right to proceed on this motion until all the legal appeals to DIE Board, Deans Council etc. had been exhausted by Priegert, Bearchell argued.

Norm Conrad indicated that he thought the motion premature in that DIE Board has not made a ruling on the hypothetical case submitted to them by Steve Snyder and as such it was unjust of council to anticipate the DIE Board ruling and subsequent appeals.

Beth Kuhnke (VP Services) introduced another motion which would impower the executive to take action on the issue after the DIE Board ruling had been made. This motion was debated with the same arguments as had been aired before and eventually a motion to table the debate succeeded and the debate ended.

The result of all the debate was another state of limbo for Mark Priegert with respect to his eligibility as an arts

money for women

Thirteen scholarships are now available to mature women students (those over 25) who are in financial need, Application forms for the three \$250 and ten \$200 bursaries are available at the Dean of Women's office in Pembina Hall.

Offered for the second year in a row by the University Women's Club and the Friends of the University, the scholarships are of special interest to women in single-parent families who are attending university full time. Deadline for applications is December 15,

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